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CLN00108891_5pv1.a NP_003801_NM_003810	MAMMEVQGGPSLGGTCVLIVFTVLLQSLCVAVTVYFTNELKQM----- MAMMEVQGGPSLGGTCVLIVFTVLLQSLCVAVTVYFTNELKQMCKYSGIACFLKE *****
CLN00108891_5pv1.a NP_003801_NM_003810	-----ILRTSEETISTVQEKQONISPLVRERGPQ DDSYWDPNDEESMNSPCWQVWQDRQLVRKMILRTSEETISTVQEKQONISPLVRERGPQ *****
CLN00108891_5pv1.a NP_003801_NM_003810	RVAAHITGTRGRSNTLSSPNSKNEKALGRKINSWESSRSGHSFSLNHLRNGELVIHEKG RVAAHITGTRGRSNTLSSPNSKNEKALGRKINSWESSRSGHSFSLNHLRNGELVIHEKG *****
CLN00108891_5pv1.a NP_003801_NM_003810	FYYIYSQTYFRFQEEIKENTKNDKQWQYIYKYTSYPDPILLMKSARNSCWSKDAEYGLY FYYIYSQTYFRFQEEIKENTKNDKQWQYIYKYTSYPDPILLMKSARNSCWSKDAEYGLY *****
CLN00108891_5pv1.a NP_003801_NM_003810	SIYQGGIFELKENDRIFVSVTNEHLIDMDHEASFFCAFLVG SIYQGGIFELKENDRIFVSVTNEHLIDMDHEASFFCAFLVG *****

Fig. 1

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CLN00493987_5pv1.a	-----MQMVVLPCLGFTLLLSQVSGAQGGQEFHFGPCQ	33
NP_006841_NM_006850_exon4	-----	0
NP_006841_NM_006850	MNFQRLQSLWTLARPFCEPILLATASQMOMVVLPCLGFTLLLSQVSGAQGGQEFHFGPCQ	60
CLN00453866_5pv1.a	-----MQMVVLPCLGFTLLLSQVSGAQGGQEFHFGPCQ	33
NP_006841_NM_006850_exon1	MNFQRLQSLWTLA-----	14
CLN00493987_5pv1.a	VKGVPQKLWEAFWVKDTMQADNITSARLLQQEVLQNVSDAESCYLVHTLLEFYLYLKT	93
NP_006841_NM_006850_exon4	-----DAESCYLVHTLLEFYLYLKT	19
NP_006841_NM_006850	VKGVPQKLWEAFWVKDTMQADNITSARLLQQEVLQNVSDAESCYLVHTLLEFYLYLKT	120
CLN00453866_5pv1.a	VKGVPQKLWEAFWVKDTMQADNITSARLLQQEVLQNV-----	73
NP_006841_NM_006850_exon1	-----	14
CLN00493987_5pv1.a	FKNYHNRTEVRTLKSFSTLANNFVLIVSQLQPSQENEMFSIRDSAHRRFLLFRRAPKQL	153
NP_006841_NM_006850_exon4	FKNYHNRTEVRTLKSFSTLANNFVLIVSQLQPS-----	53
NP_006841_NM_006850	FKNYHNRTEVRTLKSFSTLANNFVLIVSQLQPSQENEMFSIRDSAHRRFLLFRRAPKQL	180
CLN00453866_5pv1.a	-----SQENEMFSIRDSAHRRFLLFRRAPKQL	100
NP_006841_NM_006850_exon1	-----	14
CLN00493987_5pv1.a	DVEAALTKALGEVDILLTWMQKFYKL	179
NP_006841_NM_006850_exon4	-----	53
NP_006841_NM_006850	DVEAALTKALGEVDILLTWMQKFYKL	206
CLN00453866_5pv1.a	DVEAALTKALGEVDILLTWMQKFYKL	126
NP_006841_NM_006850_exon1	-----	14

Fig. 2

CLN00108891_5pv1.a	MAMMEVQGGPSLQTCVLIVIFVLLQSLCAVAVTVVFTNELKQM-----	45
CLN00108891_frag1	-----	0
CLN00108891_frag2	-----NELKQM-----	6
NP_003801_NM_003810_frag1	-----	0
NP_003801_NM_003810	MAMMEVQGGPSLQTCVLIVIFVLLQSLCAVAVTVVFTNELKQMCKYKSGIACFLKE	60
CLN00108891_5pv1.a	-----ILRTSEETISTVQEKQONISPLVRERGPQ	74
CLN00108891_frag1	-----ILRTSEETISTVQEKQONISPLVRERGPQ	29
CLN00108891_frag2	-----ILRTSEETISTVQEKQONISPLVRERGPQ	35
NP_003801_NM_003810_frag1	-----VRERGPQ	7
NP_003801_NM_003810	DDSYWDENDEESMNSPCWQVKWQLRQLVRKMLRTSEETISTVQEKQONISPLVRERGPQ	120

CLN00108891_5pv1.a	RVAAHITGTRGRSNTLSSPNSKNEKALGRKINSWESSRSCHSFLSNLHLRNGELVIHEKG	134
CLN00108891_frag1	RVAAHITGTRGRSNTLSSPNSKNEKALGRKINSWESSRSCHSFLSNLHLRNGELVIHEKG	89
CLN00108891_frag2	RVAAHITGTRGRSNTLSSPNSKNEKALGRKINSWESSRSCHSFLSNLHLRNGELVIHEKG	95
NP_003801_NM_003810_frag1	RVAAHITGTRGRSNTLSSPNSKNEKALGRKINSWESSRSCHSFLSNLHLRNGELVIHEKG	67
NP_003801_NM_003810	RVAAHITGTRGRSNTLSSPNSKNEKALGRKINSWESSRSCHSFLSNLHLRNGELVIHEKG	180

CLN00108891_5pv1.a	FYYIYSQTYFRFQEEIKENTKNDKQMVQYIYKYTSYDPDILLMKSARNSCWSKDAEYGLY	194
CLN00108891_frag1	FYYIYSQTYFRFQEEIKENTKNDKQMVQYIYKYTSYDPDILLMKSARNSCWSKDAEYGLY	149
CLN00108891_frag2	FYYIYSQTYFRFQEEIKENTKNDKQMVQYIYKYTSYDPDILLMKSARNSCWSKDAEYGLY	155
NP_003801_NM_003810_frag1	FYYIYSQTYFRFQEEIKENTKNDKQMVQYIYKYTSYDPDILLMKSARNSCWSKDAEYGLY	127
NP_003801_NM_003810	FYYIYSQTYFRFQEEIKENTKNDKQMVQYIYKYTSYDPDILLMKSARNSCWSKDAEYGLY	240

CLN00108891_5pv1.a	SIYQGGIFELKENDRIFVSVTNEHLIDMDHEASFFGAFVLG	235
CLN00108891_frag1	SIYQGGIFELKENDRIFVSVTNEHLIDMDHEASFFGAFVLG	190
CLN00108891_frag2	SIYQGGIFELKENDRIFVSVTNEHLIDMDHEASFFGAFVLG	196
NP_003801_NM_003810_frag1	SIYQGGIFELKENDRIFVSVTNEHLIDMDHEASFFGAFVLG	168
NP_003801_NM_003810	SIYQGGIFELKENDRIFVSVTNEHLIDMDHEASFFGAFVLG	281

Fig. 3

APO2L Constructs

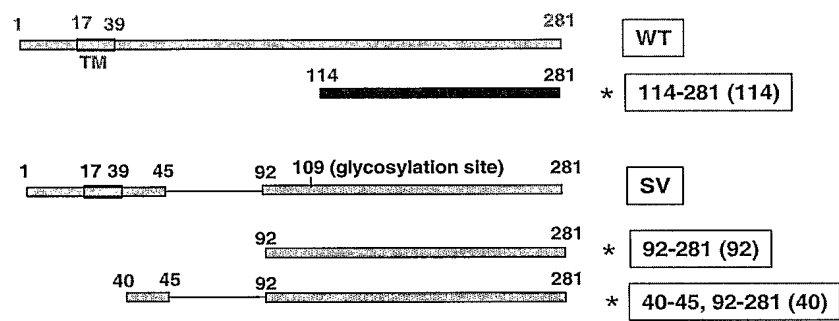
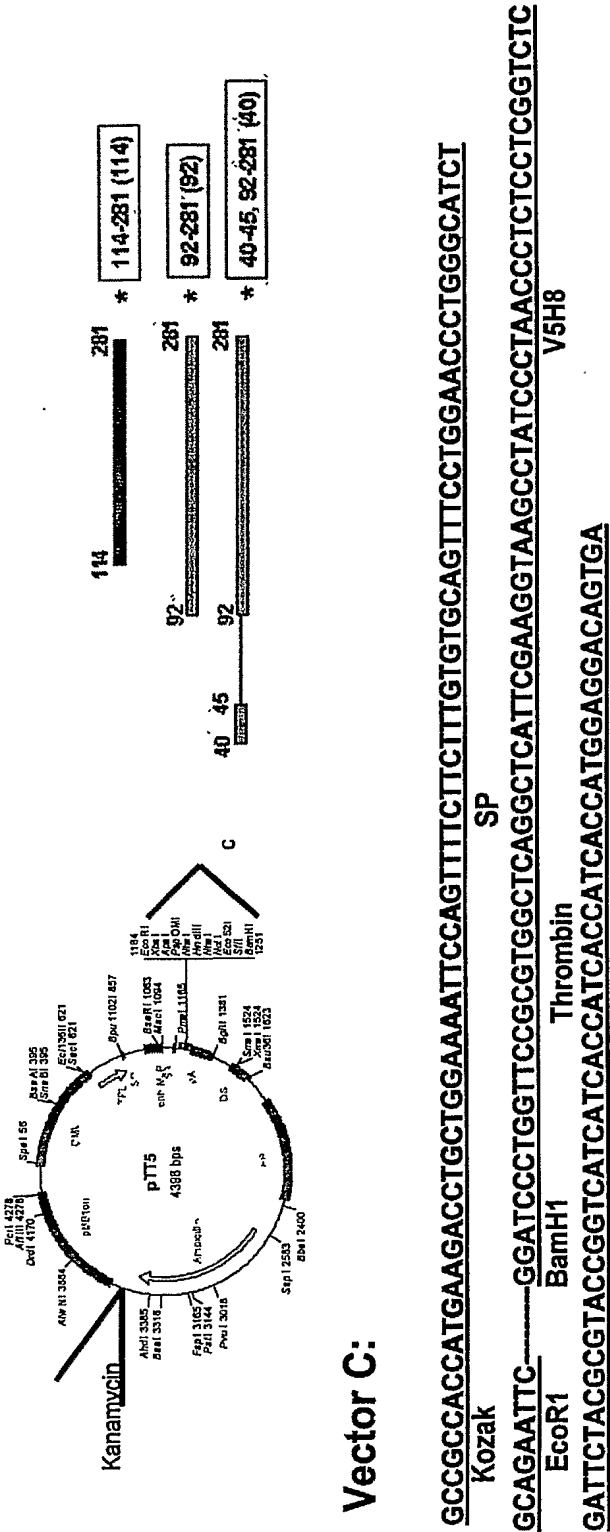


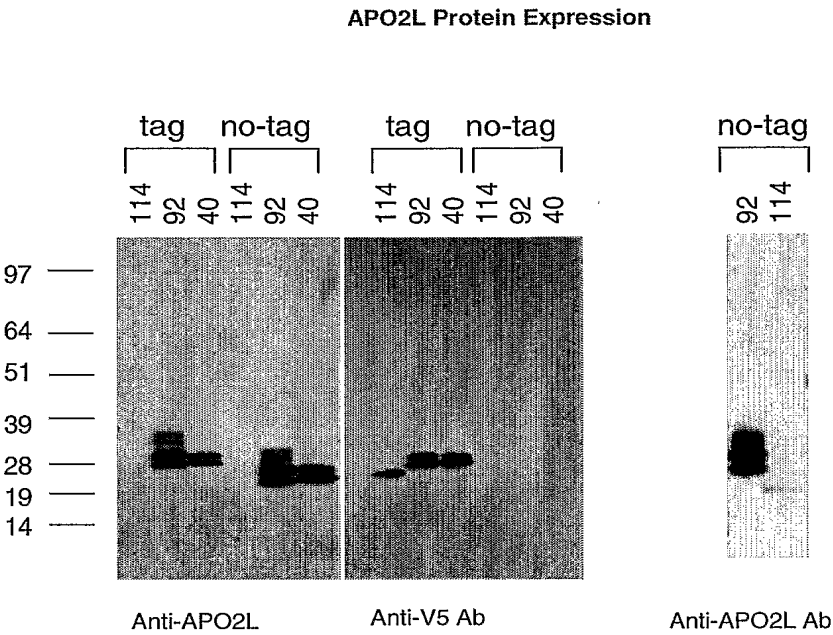
Fig. 4

Vectors for Producing Secreted Proteins with and w/o a CleavableTag



Our vector in the pipeline:
25 aa for sp and EcoRI---3kD
41aa for BamHI and Thrombin site and V5H8(25aa) ---5kD
No-tag: add 3 kD
Tag: add 8 kD

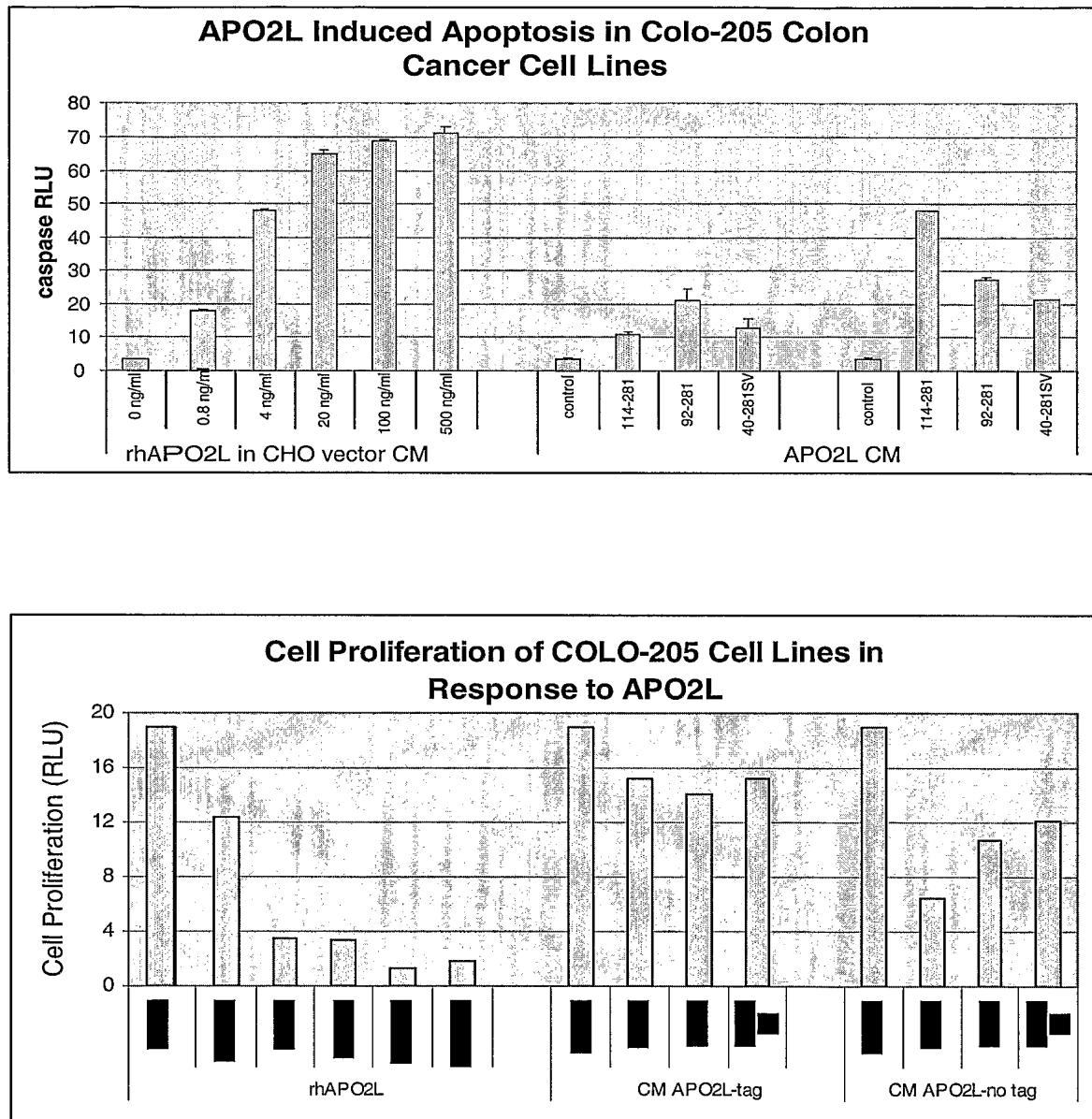
Fig. 5



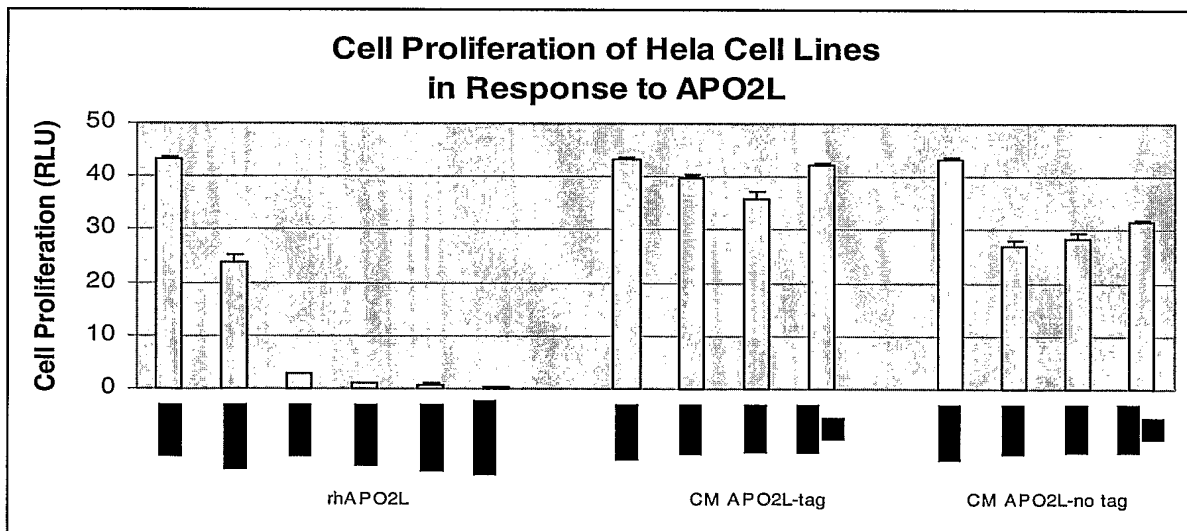
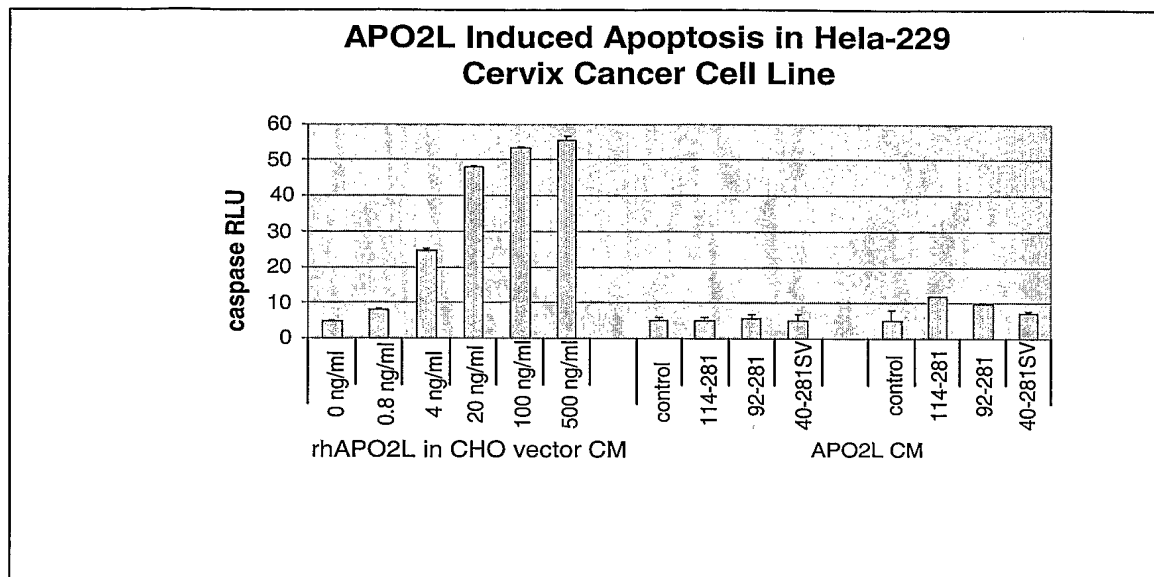
	protein	Molecular Mass	no-tag	with tag
114	168 aa	19.5 kD	23 kD	28 kD
92	190 aa	22 kD	25 kD	30 kD
40	196 aa	22.7 kD	26 kD	31 kD

Fig. 6

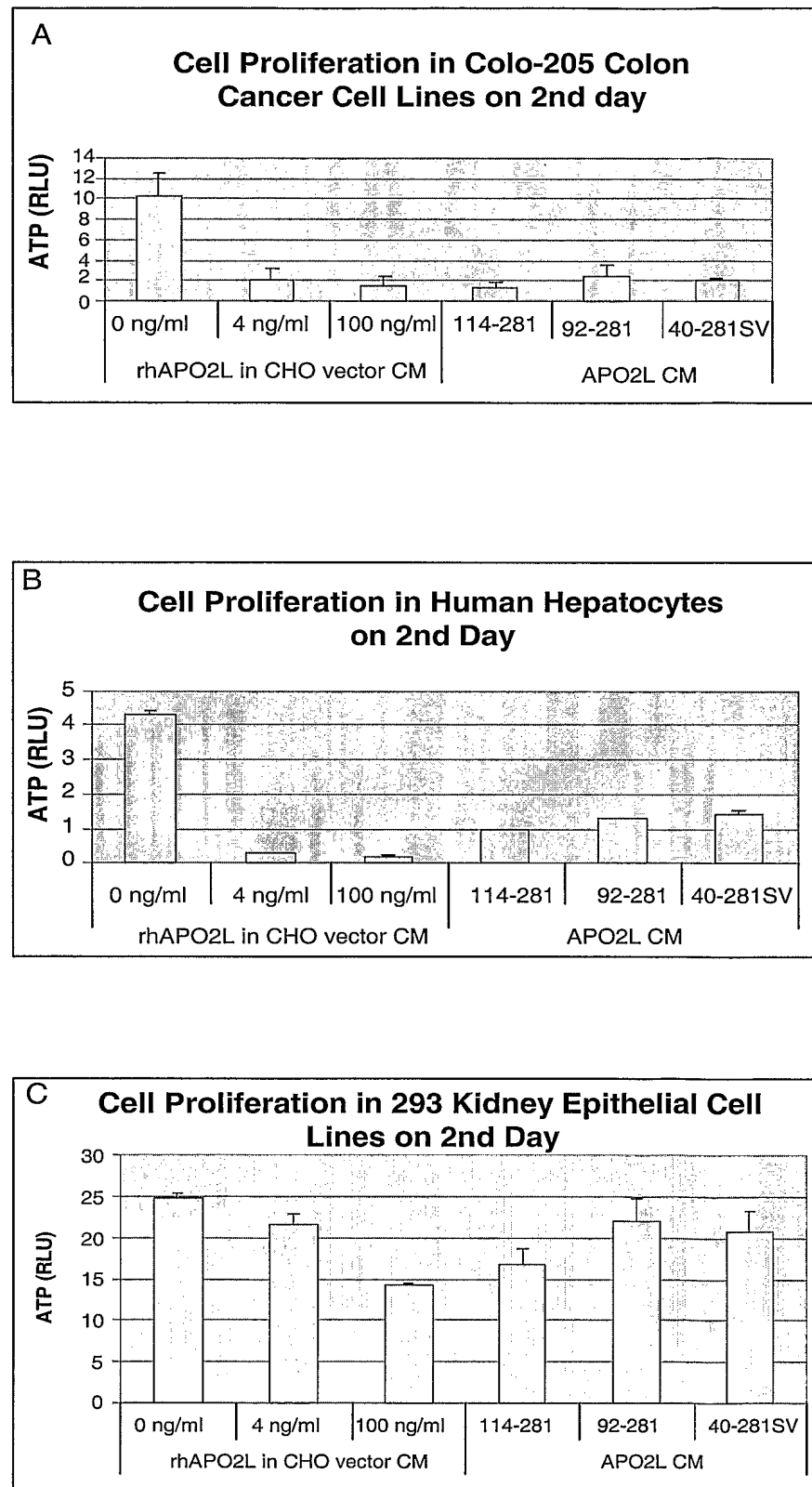
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**Fig. 7**

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**Fig. 8**

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**Fig. 9**

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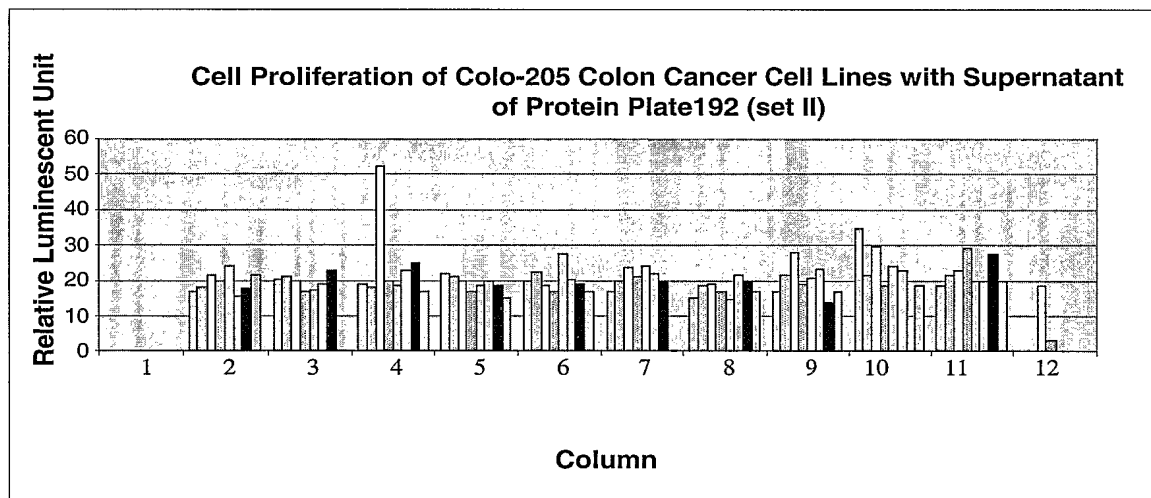
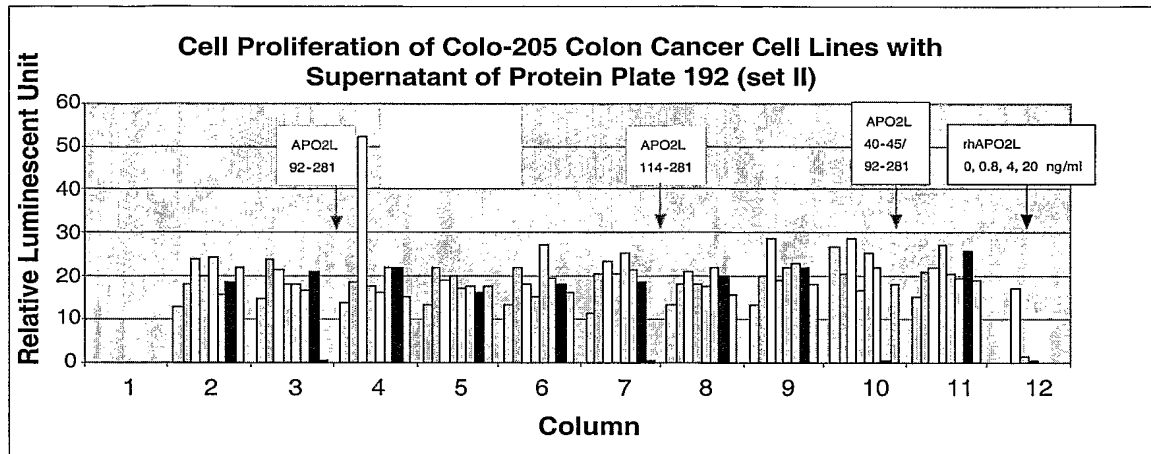


Fig.10

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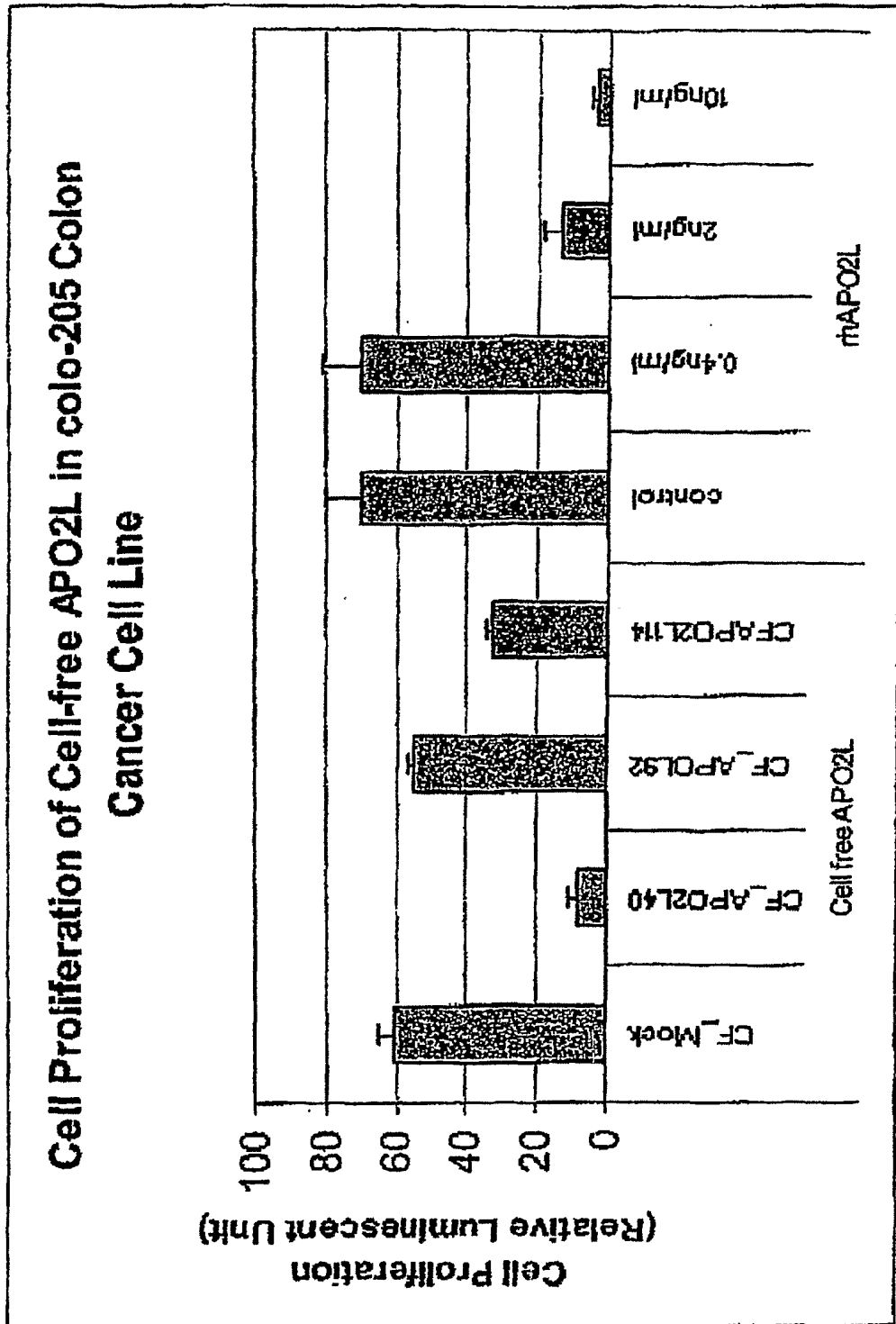


Fig. 11